

=> b reg

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STRUCTURE FILE UPDATES: 20 APR 2007 HIGHEST RN 931582-00-2
 DICTIONARY FILE UPDATES: 20 APR 2007 HIGHEST RN 931582-00-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

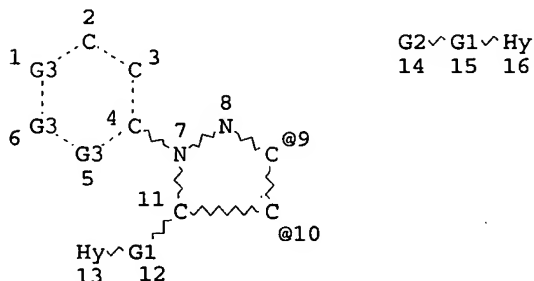
Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> d que sta l21

L19 STR



REP G1=(0-1) AK

VAR G2=9/10

VAR G3=C/N

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

ECOUNT IS M1 O AT 13

ECOUNT IS M2 N AT 16

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE

L21 67 SEA FILE=REGISTRY SSS FUL L19

100.0% PROCESSED 376407 ITERATIONS

67 ANSWERS

SEARCH TIME: 00.00.03

=> b hcap

FILE 'HCAPLUS' ENTERED AT 09:15:50 ON 23 APR 2007
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FILE COVERS 1907 - 23 Apr 2007 VOL 146 ISS 18
FILE LAST UPDATED: 22 Apr 2007 (20070422/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d bib abs fhitrn hitrn retable tot 124

L24 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:841775 HCAPLUS
DN 141:350163
TI Preparation of arylpyrazoles as serotonin 5-HT2A and 5-HT2C receptor antagonists
IN Schiemann, Kai; Ackermann, Karl-August; Arlt, Michael; Finsinger, Dirk; Schadt, Oliver; Van Amsterdam, Christoph; Bartoszyk, Gerd; Seyfried, Christoph
PA Merck Patent GmbH, Germany
SO Ger. Offen., 102 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|------------------|----------|
| PI | DE--10315572 | A1 | 20041014 | 2003DE-1015572 | 20030405 |
| | AU2004228120 | A1 | 20041021 | 2004AU-0228120 | 20040308 |
| | CA---2521201 | A1 | 20041021 | 2004CA-2521201 | 20040308 |
| | WO2004089931 | A1 | 20041021 | 2004WO-EP02353 | 20040308 |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: | BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| EP--- | 1626967 | A1 | 20060222 | 2004EP-0718277 | 20040308 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK | | | | |
| | BR2004009164 | A | 20060411 | 2004BR-0009164 | 20040308 |
| | CN---1768051 | A | 20060503 | CN 2004-80008572 | 20040308 |
| | JP2006522035 | T | 20060928 | 2006JP-0504584 | 20040308 |
| | US2006264419 | A1 | 20061123 | 2005US-0552065 | 20051005 |
| PRAI | 2003DE-1015572 | A | 20030405 | | |
| | 2004WO-EP02353 | W | 20040308 | | |
| OS | MARPAT 141:350163 | | | | |
| GI | | | | | |

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Preparation of title compds. I [X = CH, N; R1 = H, halo, (CH2)nHet, etc.; R2 = (CH2)nHet, (CH2)nAr, cycloalkyl, etc.; R3, R4 = H, (CH2)nCOHet, CHO, etc.; n = 0-5; Ar = (un)substituted Ph; Het = (un)substituted monoarom., bicyclic-heterocycle] and their pharmaceutically acceptable salts were prepared. For example, sodium triacetoxyborohydride mediated reductive amination of 1-methyl-piperazine and aldehyde II, e.g., prepared from 2-fluoro- α,γ -dioxo-benzenebutanoic Et ester in 4-steps, afforded the dihydrochloride salt of arylpyrazole III. In 5-HT2A receptor binding assays, 167-examples of compds. I exhibited IC50 values ranging from 0.015-4.7x10-7M. Compds. I are claimed suitable as ligands of 5-HT receptors.

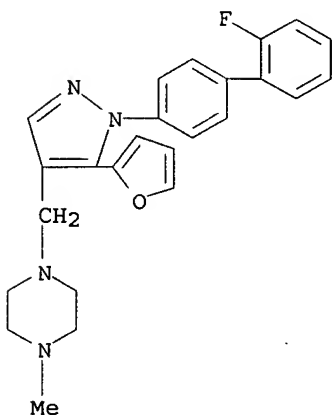
IT 770739-73-6P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of arylpyrazoles as serotonin 5-HT2A and 5-HT2C receptor antagonists)

RN 770739-73-6 HCAPLUS

CN Piperazine, 1-[[1-(2'-fluoro[1,1'-biphenyl]-4-yl)-5-(2-furanyl)-1H-pyrazol-4-yl]methyl]-4-methyl- (9CI) (CA INDEX NAME)



IT 770739-73-6P 770739-98-5P 774583-85-6P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of arylpyrazoles as serotonin 5-HT2A and 5-HT2C receptor antagonists)

L24 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN

AN 2004:841772 HCAPLUS

DN 141:332186

TI Preparation of arylpyrazoles as serotonin 5-HT2A and/or 5-HT2C receptor antagonists.

IN Schadt, Oliver; Arlt, Michael; Finsinger, Dirk
; Schiemann, Kai; Van Amsterdam, Christoph;
Bartoszyk, Gerd; Seyfried, Christoph

PA Merck Patent GmbH, Germany

SO Ger. Offen., 78 pp.

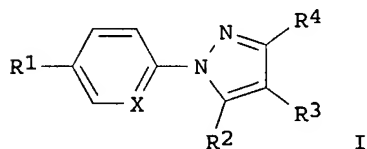
CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|------------------|--------------|
| PI | DE--10315569 | A1 | 20041014 | 2003DE-1015569 | 20030405 <-- |
| | AU2004228124 | A1 | 20041021 | 2004AU-0228124 | 20040310 <-- |
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| | RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | EP---1611122 | A1 | 20060104 | 2004EP-0718926 | 20040310 <-- |
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| | US2007010531 | A1 | 20070111 | 2005US-0552064 | 20051005 <-- |
| PRAI | 2003DE-1015569 | A | 20030405 | <-- | |
| | 2004WO-EP02453 | W | 20040310 | <-- | |
| OS | MARPAT 141:332186 | | | | |
| GI | | | | | |

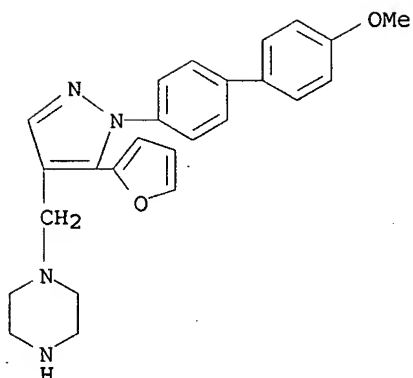


AB Title compds. [I; R1 = H, A, halo, (CH2)nAr, cycloalkyl, CF3, NO2, cyano; C(NH)NOH, OCF3; R2 = (CH2)nHet, (CH2)nAr, cycloalkyl, CF3; R3, R4 = H, (CH2)nCO2R5, (CH2)nCOHet, CHO, (CH2)nOR5, (CH2)nHet, CH:NOA, etc.; R5 = H, A; A = alkyl, alkoxy, alkenyl, alkoxyalkyl; Ar = (substituted) Ph; Het = (aromatic) mono- or bicyclic heterocyclyl, heteroatom-containing organic residue; X = N, CH; with provisos], were prepared Thus, [1-(4'-fluorobiphen-4-yl)-5-furan-2-yl-1H-pyrazol-4-ylmethyl]methyl(1-methylpyrrolidin-3-yl)amine showed 5-HT2A activity with IC50 = 5.14E-10.

IT 770739-07-6
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (preparation of arylpyrazoles as serotonin 5-HT2A and/or 5-HT2C receptor antagonists)

RN 770739-07-6 HCAPLUS

CN Piperazine, 1-[[5-(2-furanyl)-1-(4'-methoxy[1,1'-biphenyl]-4-yl)-1H-pyrazol-4-yl]methyl]- (9CI) (CA INDEX NAME)



IT 770739-07-6 770739-09-8 770739-10-1
 770739-11-2 770739-12-3 770739-13-4
 770739-16-7 770739-18-9 770739-21-4
 770739-22-5 770739-23-6 770739-26-9
 770739-27-0 770739-28-1 770739-30-5
 770739-33-8 770739-34-9 770739-35-0
 770739-36-1 770739-45-2 770739-46-3
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 770740-46-0 770740-60-8 770740-62-0
 770740-66-4

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (preparation of arylpyrazoles as serotonin 5-HT2A and/or 5-HT2C receptor
 antagonists)

=> b reg

FILE 'REGISTRY' ENTERED AT 09:16:30 ON 23 APR 2007
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STRUCTURE FILE UPDATES: 20 APR 2007 HIGHEST RN 931582-00-2
 DICTIONARY FILE UPDATES: 20 APR 2007 HIGHEST RN 931582-00-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

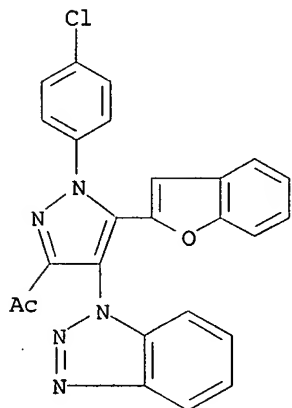
Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

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L26 ANSWER 1 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 891861-26-0 REGISTRY
 ED Entered STN: 11 Jul 2006
 CN Ethanone, 1-[5-(2-benzofuranyl)-4-(1H-benzotriazol-1-yl)-1-(4-chlorophenyl)-1H-pyrazol-3-yl]- (CA INDEX NAME)
 MF C25 H16 Cl N5 O2
 SR CA
 LC STN Files: CA, CAPLUS

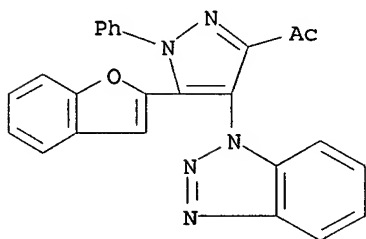


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 145:55359

L26 ANSWER 2 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 891861-25-9 REGISTRY
 ED Entered STN: 11 Jul 2006
 CN Ethanone, 1-[5-(2-benzofuranyl)-4-(1H-benzotriazol-1-yl)-1-phenyl-1H-pyrazol-3-yl]- (CA INDEX NAME)
 MF C25 H17 N5 O2
 SR CA
 LC STN Files: CA, CAPLUS



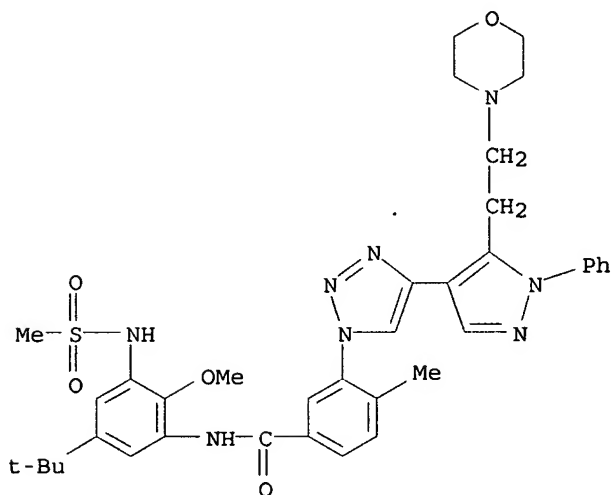
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 145:55359

L26 ANSWER 3 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN

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RN      865797-59-7  REGISTRY
ED      Entered STN:  21 Oct.2005
CN      Benzamide, N-[5-(1,1-dimethylethyl)-2-methoxy-3-
        [(methylsulfonyl)amino]phenyl]-4-methyl-3-[4-[5-[2-(4-morpholinyl)ethyl]-1-
        phenyl-1H-pyrazol-4-yl]-1H-1,2,3-triazol-1-yl]- (9CI)  (CA INDEX NAME)
MF      C37 H44 N8 O5 S
SR      CA
LC      STN Files:   CA, CAPLUS, TOXCENTER, USPATFULL
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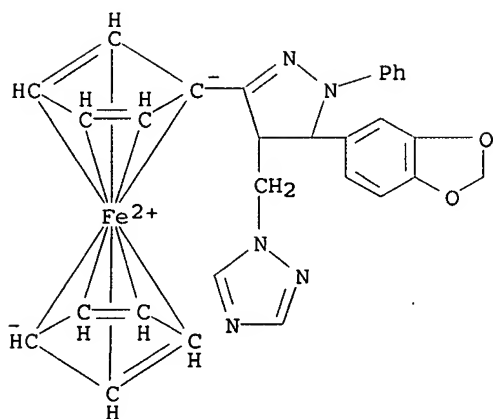


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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 143:347181

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L26 ANSWER 4 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
RN 849664-54-6 REGISTRY
ED Entered STN: 03 May 2005
CN Ferrocene, [rel-(4R,5S)-5-(1,3-benzodioxol-5-yl)-4,5-dihydro-1-phenyl-4-
(1H-1,2,4-triazol-1-ylmethyl)-1H-pyrazol-3-yl]- (9CI) (CA INDEX NAME)
MF C29 H25 Fe N5 O2
CI CCS
SR CA
LC STN Files: CA, CAPLUS, CASREACT
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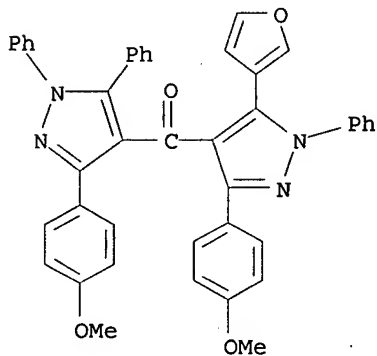


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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 142:373937

L26 ANSWER 5 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
RN 847911-89-1 REGISTRY
ED Entered STN: 05 Apr 2005
CN Methanone, [5-(3-furanyl)-3-(4-methoxyphenyl)-1-phenyl-1H-pyrazol-4-yl][3-(4-methoxyphenyl)-1,5-diphenyl-1H-pyrazol-4-yl]- (9CI) (CA INDEX NAME)
MF C43 H32 N4 O4
SR CA
LC STN Files: CA, CAPLUS, CASREACT



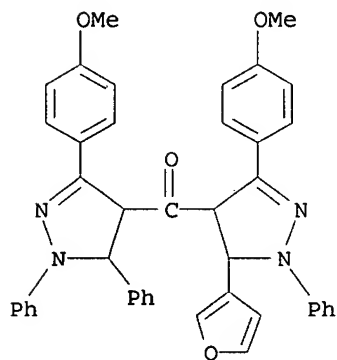
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 142:298033

L26 ANSWER 6 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
RN 847911-61-9 REGISTRY
ED Entered STN: 05 Apr 2005
CN Methanone, [4,5-dihydro-3-(4-methoxyphenyl)-1,5-diphenyl-1H-pyrazol-4-yl][5-(3-furanyl)-4,5-dihydro-3-(4-methoxyphenyl)-1-phenyl-1H-pyrazol-4-

yl]- (9CI) (CA INDEX NAME)
 MF C43 H36 N4 O4
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 142:298033

L26 ANSWER 7 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN

RN 648864-21-5 REGISTRY

ED Entered STN: 11 Feb 2004

CN 1H-Tetrazole, 5-[2-[5-(1,3-benzodioxol-5-yl)-1-(2,5-dichlorophenyl)-1H-pyrazol-3-yl]-1-(3-chlorophenyl)ethyl]- (9CI) (CA INDEX NAME)

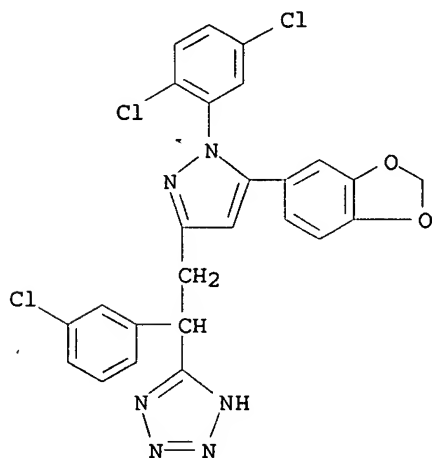
OTHER NAMES:

CN 5-[2-[5-(Benzodioxol-5-yl)-1-(2,5-dichlorophenyl)-1H-pyrazol-3-yl]-1-(3-chlorophenyl)ethyl]-1H-tetrazole

MF C25 H17 Cl3 N6 O2

SR CA

LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPAT2, USPATFULL



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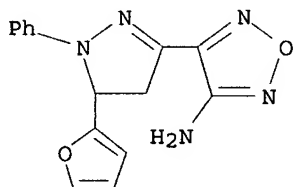
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 3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 144:108312

REFERENCE 2: 142:155944

REFERENCE 3: 140:128414

L26 ANSWER 8 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 637764-60-4 REGISTRY
 ED Entered STN: 15 Jan 2004
 CN 1,2,5-Oxadiazol-3-amine, 4-[5-(2-furanyl)-4,5-dihydro-1-phenyl-1H-pyrazol-3-yl]- (9CI) (CA INDEX NAME)
 MF C15 H13 N5 O2
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

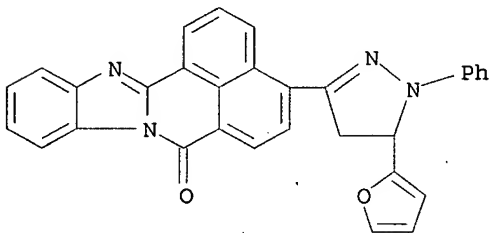


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1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:59538

L26 ANSWER 9 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 352709-55-8 REGISTRY
 ED Entered STN: 27 Aug 2001
 CN 7H-Benzimidazo[2,1-a]benz[de]isoquinolin-7-one, 4-[5-(2-furanyl)-4,5-dihydro-1-phenyl-1H-pyrazol-3-yl]- (9CI) (CA INDEX NAME)
 MF C31 H20 N4 O2
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT, USPAT2, USPATFULL



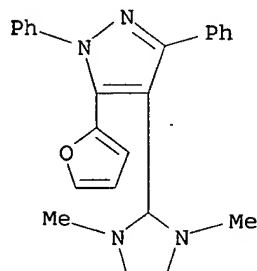
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REFERENCE 1: 136:175543

REFERENCE 2: 135:152804

L26 ANSWER 10 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 251940-19-9 REGISTRY
 ED Entered STN: 29 Dec 1999
 CN 1H-Imidazolium, 2-[5-(2-furanyl)-1,3-diphenyl-1H-pyrazol-4-yl]-4,5-dihydro-
 1,3-dimethyl-, chloride (9CI) (CA INDEX NAME)
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 SR CA
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 CRN (782436-48-0)



● Cl⁻

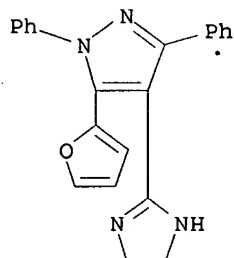
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:22908

L26 ANSWER 11 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 251940-15-5 REGISTRY
 ED Entered STN: 29 Dec 1999
 CN 1H-Pyrazole, 4-(4,5-dihydro-1H-imidazol-2-yl)-5-(2-furanyl)-1,3-diphenyl-
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 MF C22 H18 N4 O
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

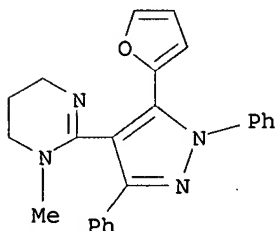
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REFERENCE 1: 139:214344

REFERENCE 2: 132:22908

L26 ANSWER 12 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 251940-14-4 REGISTRY
 ED Entered STN: 29 Dec 1999
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 MF C24 H22 N4 O
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



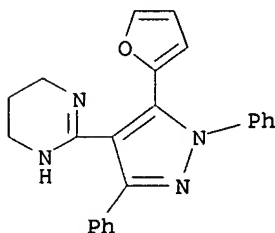
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 139:214344

REFERENCE 2: 132:22908

L26 ANSWER 13 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 251940-13-3 REGISTRY
 ED Entered STN: 29 Dec 1999
 CN Pyrimidine, 2-[5-(2-furanyl)-1,3-diphenyl-1H-pyrazol-4-yl]-1,4,5,6-tetrahydro- (9CI) (CA INDEX NAME)
 MF C23 H20 N4 O
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

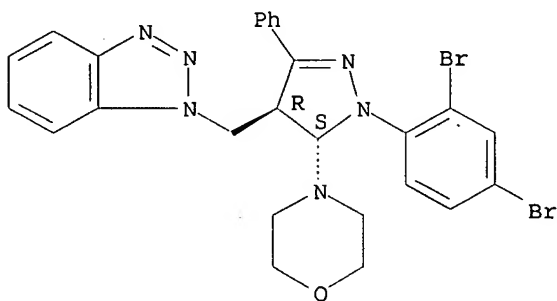
REFERENCE 1: 139:214344

REFERENCE 2: 132:22908

L26 ANSWER 14 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN

RN 187095-36-9 REGISTRY
 ED Entered STN: 14 Mar 1997
 CN 1H-Benzotriazole, 1-[[1-(2,4-dibromophenyl)-4,5-dihydro-5-(4-morpholinyl)-3-phenyl-1H-pyrazol-4-yl]methyl]-, trans- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C26 H24 Br2 N6 O
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

Relative stereochemistry.

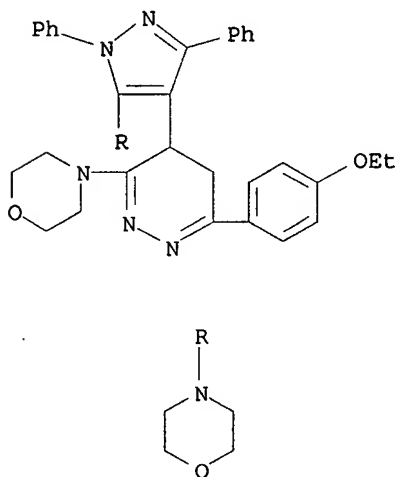


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 126:171499

L26 ANSWER 15 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 173780-33-1 REGISTRY
 ED Entered STN: 01 Mar 1996
 CN Morpholine, 4-[6-(4-ethoxyphenyl)-4,5-dihydro-4-[5-(4-morpholinyl)-1,3-diphenyl-1H-pyrazol-4-yl]-3-pyridazinyl]- (9CI) (CA INDEX NAME)
 MF C35 H38 N6 O3
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER

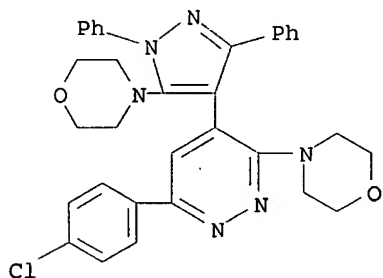


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 124:175994

L26 ANSWER 16 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
RN 147674-89-3 REGISTRY
ED Entered STN: 20 May 1993
CN Morpholine, 4-[6-(4-chlorophenyl)-4-[5-(4-morpholinyl)-1,3-diphenyl-1H-pyrazol-4-yl]-3-pyridazinyl]- (9CI) (CA INDEX NAME)
MF C33 H31 Cl N6 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT

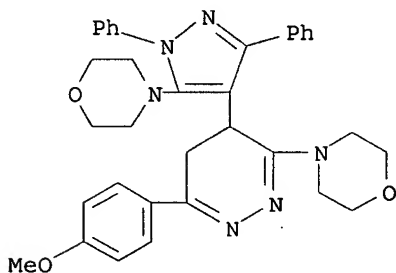


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 119:160209

L26 ANSWER 17 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
RN 133706-20-4 REGISTRY
ED Entered STN: 10 May 1991
CN Morpholine, 4-[4,5-dihydro-6-(4-methoxyphenyl)-4-[5-(4-morpholinyl)-1,3-diphenyl-1H-pyrazol-4-yl]-3-pyridazinyl]- (9CI) (CA INDEX NAME)
MF C34 H36 N6 O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT

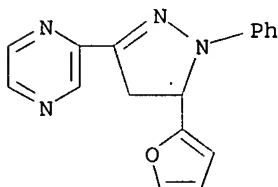


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 114:207174

L26 ANSWER 18 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 83394-33-6 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Pyrazine, [5-(2-furanyl)-4,5-dihydro-1-phenyl-1H-pyrazol-3-yl]- (9CI) (CA INDEX NAME)
 MF C17 H14 N4 O
 LC STN Files: CA, CAPLUS, TOXCENTER



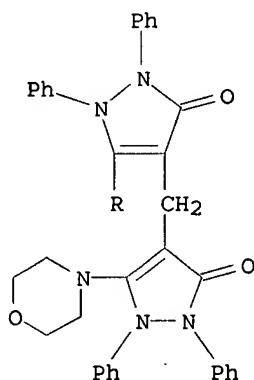
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

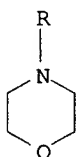
REFERENCE 1: 97:182446

L26 ANSWER 19 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 69840-91-1 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 3H-Pyrazol-3-one, 4,4'-methylenebis[1,2-dihydro-5-(4-morpholinyl)-1,2-diphenyl- (9CI) (CA INDEX NAME)
 MF C39 H38 N6 O4
 LC STN Files: CA, CAPLUS

PAGE 1-A



PAGE 2-A

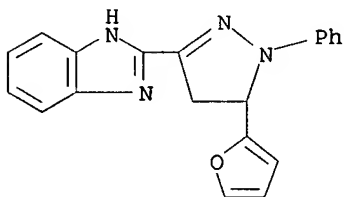


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1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 90:152073

L26 ANSWER 20 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
RN 58035-24-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1H-Benzimidazole, 2-[5-(2-furanyl)-4,5-dihydro-1-phenyl-1H-pyrazol-3-yl]-
(9CI) (CA INDEX NAME)
MF C20 H16 N4 O
LC STN Files: CA, CAPLUS



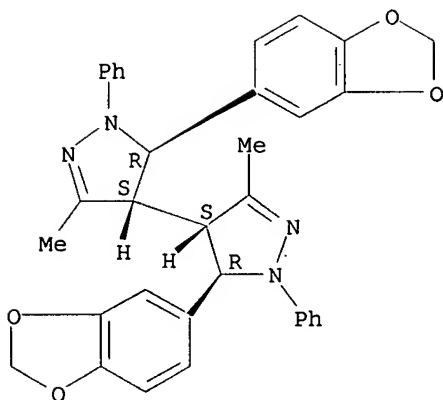
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1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 84:59477

L26 ANSWER 21 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
RN 57378-29-7 REGISTRY
ED Entered STN: 16 Nov 1984
CN 4,4'-Bi-1H-pyrazole, 5,5'-bis(1,3-benzodioxol-5-yl)-4,4',5,5'-tetrahydro-
3,3'-dimethyl-1,1'-diphenyl-, [4 α (4'R*,5'S*),5 β]- (9CI) (CA
INDEX NAME)
OTHER CA INDEX NAMES:
CN 4,4'-Bi-1H-pyrazole, 5,5'-bis(1,3-benzodioxol-5-yl)-4,4',5,5'-tetrahydro-
3,3'-dimethyl-1,1'-diphenyl-, [4 α (4'R*,5'S*),5 β]- (±)-
FS STEREOSEARCH
MF C34 H30 N4 O4
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 83:147422

L26 ANSWER 22 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN

RN 57337-19-6 REGISTRY

ED Entered STN: 16 Nov 1984

CN 4,4'-Bi-1H-pyrazole, 5,5'-bis(1,3-benzodioxol-5-yl)-4,4',5,5'-tetrahydro-3,3'-dimethyl-1,1'-diphenyl-, [4α(4'S*,5'R*),5β]- (9CI) (CA INDEX NAME)

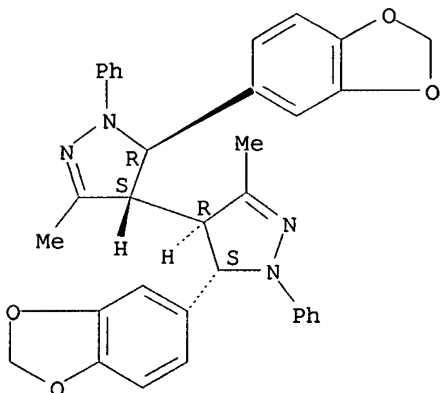
FS STEREOSEARCH

MF C34 H30 N4 O4

LC STN Files: BEILSTEIN*, CA, CAPLUS

(*File contains numerically searchable property data)

Relative stereochemistry.



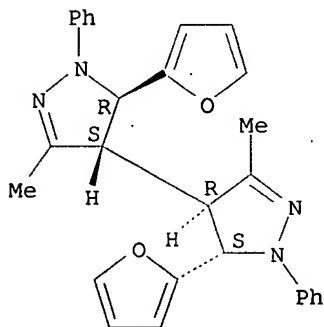
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 83:147422

L26 ANSWER 23 OF 23 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 57337-15-2 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 4,4'-Bi-1H-pyrazole, 5,5'-di-2-furanyl-4,4',5,5'-tetrahydro-3,3'-dimethyl-
 1,1'-diphenyl-, [4 α (4'S*,5'R*),5 β]- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C28 H26 N4 O2
 LC STN Files: BEILSTEIN*, CA, CAPLUS
 (*File contains numerically searchable property data)

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 83:147422

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(FILE 'HOME' ENTERED AT 07:56:46 ON 23 APR 2007)

FILE 'REGISTRY' ENTERED AT 07:58:06 ON 23 APR 2007

ACT J064APP/A

L1 (1)SEA FILE=HCAPLUS ABB=ON PLU=ON US20070010531/PN OR (US2005-55
 L2 SEL PLU=ON L1 1- RN : 174 TERMS
 L3 174 SEA FILE=REGISTRY ABB=ON PLU=ON L2

ACT J064B1/Q

L4 STR

DEL J064B1/Q

SAV TEM J064B1/A L***

SAV TEM J064G3/A L***

FILE 'HCAPLUS' ENTERED AT 08:05:51 ON 23 APR 2007

L5 1 US20070010531/PN OR (US2005-552064 OR DE2003-10315569 OR WO2004
 E SCHADT O/AU
 L6 19 E4
 E ARLT M/AU
 L7 33 E3,E12-13
 E FINSINGER D/AU
 L8 33 E3-4
 E SCHIEMANN K/AU
 L9 42 E3-4
 E SCHIEMANN S/AU

L10 10 E3
E AMSTERDAM C/AU
L11 2 E4-5
E VAN AMSTERDAM/AU
L12 52 E4-7
E BARTOSYK G/AU
E BARTOSZYK G/AU G/AU
E BARTOSZYK G/AU
L13 120 E4-7
E SEYFRIED C/AU
L14 230 E3-6,E12-14
L15 34064 MERCK/CS,PA

FILE 'REGISTRY' ENTERED AT 08:28:26 ON 23 APR 2007

L16 27 L3 AND NC5/ES
L17 STR L4
L18 6 L17
L19 STR L17
L20 0 L19
L21 67 L19 FULL
L22 40 L21 AND L3

FILE 'HCAPLUS' ENTERED AT 08:34:19 ON 23 APR 2007

L23 22 L21
L24 2 L23 AND L5-15
L25 20 L23 NOT L24
SEL HIT RN

FILE 'REGISTRY' ENTERED AT 08:36:41 ON 23 APR 2007

L26 23 E21-43

FILE 'HCAOLD' ENTERED AT 09:16:52 ON 23 APR 2007

L27 0 L21

=>

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| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------|---------|------------------|
| L1 | 2747 | (schadt arlt finsinger schieemann van ADJ amsterdam amsterdam bartoszyk seyfried).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/23 16:27 |
| L2 | 21 | l1 and pyrazole\$.ti. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/23 16:27 |



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| <u>#14</u> | Search "receptors, serotonin/antagonists and inhibitors"[MeSH Terms] Limits: Publication Date from 1950 to 2002 | 10:29:37 | <u>7</u> |
| <u>#4</u> | Search "receptors, serotonin/antagonists and inhibitors"[MeSH Terms] | 10:28:48 | <u>562</u> |
| <u>#8</u> | Search (#2 OR #4) and #7 | 10:18:45 | <u>95</u> |
| <u>#7</u> | Search "alzheimer disease"[MeSH Terms] | 10:17:59 | <u>40548</u> |
| <u>#5</u> | Search #3 and #4 | 09:59:08 | <u>159</u> |
| <u>#3</u> | Search #1 and #2 | 09:58:08 | <u>7074</u> |
| <u>#2</u> | Search "receptors, serotonin"[MeSH Terms] | 09:57:54 | <u>16115</u> |
| <u>#1</u> | Search "central nervous system"[MeSH Terms] | 09:57:28 | <u>809961</u> |

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